BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :- Office Maintenance and Crematorium Maintenance in Ward No 08

Job Code:- P-3291

Est Cost :- 2.50 Lakhs

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
1	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **(P. No. 120, I.No. 15.53.2 of SR 2018-19).**								
	External Walls	**Sqm**							
			2	17.00		3.00	102.00		
			2	10.00		3.00	60.00		
	Staircase								
			2	4.70		3.00	28.20		
			2	1.70		3.00	10.20		
	Parapete Wall								
	Out side Portion		1	63.00		1.00	63.00		
	In side Portion		1	61.40		1.00	61.40		
	Piller Extentionded		10	1.62			16.20		
	Compound Wall No		18	3.90			70.20		
	Deductions for Openning								
	Doors								
	D1		-1.00	1.20		2.10	-2.52		
	D2		-1.00	1.62		2.10	-3.40		
	Windows								
	W1		-8.00	1.50		1.50	-18.00		
	W2		-1.00	0.90		0.90	-0.81		
	W3		-1.00	1.50		0.80	-1.20		
	Ventilations								
	V1		-3.00	0.60		0.75	-1.35		
						Total Qty	**383.92**	**110.16**	**42292.00**
	Basic Rate	102.00							
	Area Weightage 8%	8.16							
	Final Rate	**110.16**							
2	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 116, I.No. 15.51.2 of SR 2018-19). with Primer								
	Internal Walls	Sqm							
	Out Side Walls		2	17.00		3.00	102.00		
			2	10.00		3.00	60.00		
	Inside Walls								
			1	16.50		3.00	49.50		
	Office								
			1	5.50		3.00	16.50		
			2	3.90		3.00	23.40		
	T.V Chamber								
			1	3.45		3.00	10.35		
	Tiolet T1								
			2	3.90		1.00	7.80		

Sl.No	Description of Work	Unit	No	Length	Bredth	Depth	Qty.	Rate	Amount
				m	m	m			
			1	1.60		1.00	1.60		
	Office 1								
			2	3.90		3.00	23.40		
			1	4.70		3.00	14.10		
	Kitchen								
			2	2.55		3.00	15.30		
	Tiolet T2								
			2	1.80		1.00	3.60		
			1	1.50		1.00	1.50		
	Tiolet T3								
			2	1.80		1.00	3.60		
			1	1.00		1.00	1.00		
	Wall								
			1	2.70		3.00	8.10		
			1	0.90		3.00	2.70		
	Ceiling		1	16.50	9.50		156.75		
	Deductions								
	Doors								
	D1		-1.00	1.20		2.10	-2.52		
	D2		-1.00	1.62		2.10	-3.40		
	D3		-3.00	0.80		2.10	-5.04		
	D4		-2.00	0.90		2.10	-3.78		
	Windows								
	W1		-8.00	1.50		1.50	-18.00		
	W2		-1.00	0.90		0.90	-0.81		
	W3		-1.00	1.50		0.80	-1.20		
	Office								
	V1		-3.00	0.60		0.75	-1.35		
	Opening								
			-1.00	0.80		2.10	-1.68		
			-1.00	1.20		2.10	-2.52		
						Total Qty	**460.898**	**97.20**	**44799.00**
	Basic Rate	90.00							
	Area Weightage 8%	7.20							
	Final Rate	**97.20**							

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
3	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 (Page No : 34, item No :7.7)								
	Ventilations	**Sqm**	1	0.60	0.75		0.45		
						Total Qty	**0.45**	**4209.84**	**1894.00**
	Basic Rate	3898.00							
	Area Weightage 8%	311.84							
	Final Rate	**4209.84**							
4	KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (Page No : 53, item No :9.12 SR 2018-19)								
	Door D1	**Cum**							
		1.00	1	7.50	0.125	0.125	0.12		
						Total Qty	**0.12**	**79051.68**	**9264.00**
	Basic Rate	73196.00							
	Area Weightage 8%	5855.68							
	Final Rate	**79051.68**							
5	KSRB 9-7.3 :Providing and fixing in position fully panelled Mathi/ Nandi wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (Page No : 53, item No :9.22 SR 2018-19)								
	Door D1	**Sqm**							
		1.00	1	1.65		2.100	3.47		
						Total Qty	**3.47**	**4122.36**	**14284.00**
	Basic Rate	3817.00							
	Area Weightage 8%	305.36							
	Final Rate	**4122.36**							

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
6	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.(Page. No. 121 Item No. 15.58 SR 2018-19)								
	Same as Door Qnty	**Sqm**							
	Doors								
	D1	2.00	1.00	1.20		2.10	5.04		
	D2	2.00	1.00	1.62		2.10	6.80		
	D3	2.00	3.00	0.80		2.10	10.08		
	D4	2.00	2.00	0.90		2.10	7.56		
						Total Qty	**29.48**	**54.00**	**1592.00**
	Basic Rate	50.00							
	Area Weightage 8%	4.00							
	Final Rate	**54.00**							
7	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.(Page. No. 121 Item No. 15.60.1 SR 2018-19)								
	Same as priming coat qnty for Door	**Sqm**							
						Total Qty	**29.48**	**104.76**	**3089.00**
	Basic Rate	97.00							
	Area Weightage 8%	7.76							
	Final Rate	**104.76**							
8	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locl<ing arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(**For 1000 litre capacity**) Specification No.KBS 13.22 (P.No.96, I.No.13.78 of PW, P&IWTD S.R 2018-19)								
		each	1				1.00		
						Total Qty	**1.00**	**7374.24**	**7374.00**
	Basic Rate	6828.00							
	Area Weightage 8%	546.24							
	Final Rate	**7374.24**							

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
9	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.99, I.No. 13.86.2 of KPWD SR 2018-19)								
	20mm Nominal OD Pipes	**m**	40				40.00		
						Total Qty	**40.00**	**253.80**	**10152.00**
	Basic Rate	235.00							
	Area Weightage 8%	18.80							
	Final Rate	**253.80**							
10	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes(P.No.99, I.No. 13.86.3 of KPWD SR 2018-19)								
	25mm nominal OD pipes	**m**	40	--	--	--	40.00		
						Total Qty	**40.00**	**316.44**	**12658.00**
	Basic Rate	293.00							
	Area Weightage 8%	23.44							
	Final Rate	**316.44**							
11	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.84, I.No. 12.41 of KPWD SR 2018-19)								
		unit	3	--	--	--	3.00		
						Total Qty	**3.00**	**1226.88**	**3681.00**
	Basic Rate	1136.00							
	Area Weightage 8%	90.88							
	Final Rate	**1226.88**							
12	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 90, I.No. 12.111 of KPWD SR 2018-19)								
		each	2	--	--	--	2.00		
						Total Qty	**2.00**	**162.00**	**324.00**
	Basic Rate	150.00							
	Area Weightage 8%	12.00							
	Final Rate	**162.00**							

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
13	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No. 90, I.No. 12.113.1 of KPWD SR 2018-19)								
		each	3	--	--	--	3.00		
						Total Qty	**3.00**	**270.00**	**810.00**
	Basic Rate	250.00							
	Area Weightage 8%	20.00							
	Final Rate	**270.00**							
14	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No. 93, I.No. 13.23 of KPWD SR 2018-19)								
		each	5	--	--	--	5.00		
						Total Qty	**5.00**	**205.20**	**1026.00**
	Basic Rate	190.00							
	Area Weightage 8%	15.20							
	Final Rate	**205.20**							
15	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.94/ I.No. 13.34 of KPWD SR 2018-19)								
		each	3	--	--	--	3.00		
						Total Qty	**3.00**	**484.92**	**1455.00**
	Basic Rate	449.00							
	Area Weightage 8%	35.92							
	Final Rate	**484.92**							
16	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.93/ I.No. 13.33 of KPWD SR 2018-19)								
		each	2	--	--	--	2.00		
						Total Qty	**2.00**	**362.88**	**726.00**
	Basic Rate	336.00							
	Area Weightage 8%	26.88							
	Final Rate	**362.88**							
17	KSRB 11 -6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed I vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.1 I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(P.No.79 I.No.12.5 of KPWD SR 2018-19)								
		Each	2	--	--	--	2.00		
						Total Qty	**2.00**	**5352.48**	**10705.00**
	Basic Rate	4956.00							
	Area Weightage 8%	396.48							

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
	Final Rate	**5352.48**							
18	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.82 I.No.12.23 of PWDSR 2018-19)								
		unit	2	--	--	--	2.00		
						Total Qty	**2.00**	**4327.56**	**8655.00**
	Basic Rate	4007.00							
	Area Weightage 8%	320.56							
	Final Rate	**4327.56**							
19	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.80 I.No.12.7 of PWDSR 2018-19)								
		unit	2	--	--	--	2.00		
						Total Qty	**2.00**	**3317.76**	**6636.00**
	Basic Rate	3072.00							
	Area Weightage 8%	245.76							
	Final Rate	**3317.76**							
20	KSRRB M800-7. Painting:-Providing and applying two coats of ready- mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications.MORTH Specification No. 803 Painting on Steel Surface(P.No.181, I.No24.8.1 of PW,P&IWTD S.R 2018-19))								
	Front Gate	**Sqm**							
			1	3.5		2.00	7.00		
			1	1.6		2.00	3.20		
	Doors		3	1.6		2.10	10.08		
	Compound Grill								
			10	4		1.40	56.00		
	Chain Link Fencing								
			1	18.5		1.50	27.75		
			1	22		1.50	33.00		
	Windows Grill								
	W1		8	1.50		1.50	18.00		
	W2		1	0.90		0.90	0.81		
	W3		1	1.50		0.80	1.20		
	Ventilations		1	0.60		0.75	0.45		
						Total Qty	**157.49**	**77.76**	**12246.00**
	Basic Rate	72.00							
	Area Weightage 8%	5.76							
	Final Rate	**77.76**							

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
21	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.Specification No. KBS 11 (P.No.40 I.No.7.35 of PWDSR 2018-19)								
	Railing for Staircase	**Sqm**							
		1	4.20			1.20	5.04		
						Total Qty	**5.04**	**3067.20**	**15459.00**
	Basic Rate	2840.00							
	Area Weightage 8%	227.20							
	Final Rate	**3067.20**							
22	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
		Cum	1	10.00	1.00	0.15	1.50		
						Total Qty	**1.50**	**252.49**	**379.00**
	A.Basic rate	**130.00**							
	B.Loading and unloading with 20km lead= 57+2.0x1.28x20 = 108.2	**108.20**							
	C (Area Weightage 6%)	**14.29**							
	Total	**252.49**							
23	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)								
	For Cobble Stone Footpath	cum							
			1	10	1	0.10	1.00		
	A.Basic rate	**209.00**				**Total Qty**	**1.00**	**221.54**	**222.00**
	B.Area Weightage 6%	**12.54**							
	Total	**221.54**							
24	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)								
	For Cobble Stone Footpath	Sqm							
			1	10	1.00		10.00		

Sl.No	Description of Work	Unit	No	Length m	Bredth m	Depth m	Qty.	Rate	Amount
	A.Basic rate	1053.00			Total Qty		10.00	1116.18	11162.00
	B.Area Weightage 6%	63.18							
	Total	1116.18							
								Total Construction Cost	220884.00
								12% GST	26506.08
								PMC / Third Party inspection	2209.00
								Sub Total	249599.08
								Miscellaneous and rounding off	400.92
								Total	250000.00

Certificate.

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the KPWD Electrical SR 2014-15, BWSSB SR 2017-18, KPWD SR, Bangalore circle for year 2018-19.
4 The provisions made in the estimate are necessary and essential.

Assistant Engineer

Executive Engineer

Assistant Executive Engineer

Administrative Approval

Accorded For Rs 2.50 lakhs only
Head of A/C P3291
CER NO :.....06..... Dt:22.05.2020

TA

CE (YNK)

TECHNICAL SANCTION

Accorded For Rs. 2.50 lakhs only
Head of A/c. P3291
Div. Ref. No. 73/20-21 Date 26/5/2020

AE 26/05

EE(BTP) 26/05